



PROGRAM
EXECUTIVE
OFFICE
SOLDIER

Project Manager Soldier Sensors
and Lasers

Product Manager Soldier
Precision Targeting Devices

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Specifications

- **Weight (total system):** 35 pounds (LLDR 1) and less than 30 pounds (LLDR 2) for a 24-hour mission

Program Status

The Army began procuring the LLDR 2 systems in 2009, and will begin fielding LLDR 2 in early 2011 to support operations.

LIGHTWEIGHT LASER DESIGNATOR RANGEFINDER (LLDR)



The Lightweight Laser Designator Rangefinder (LLDR), AN/PED-1 provides Soldiers with a laser designation system that allows them to pinpoint high-priority targets with precision munitions.

The AN/PED-1 LLDR is a man-portable, modular target locator and laser designation system. The primary components are the Target Locator Module (TLM) and the Laser Designator Module (LDM).

The TLM has an integral capability for bore-sighting with the LDM, enabling the operator to see the laser spot and align the system. The TLM can be used as a stand-alone device or in conjunction with the LDM. At night and in obscured battlefield conditions, the operator can recognize vehicle-sized targets at more than 3 kilometers. During day operations, targets can be recognized at more than 7 kilometers. The LDM emits coded laser pulses compatible with DoD and NATO laser-guided munitions. Targets can be designated at ranges greater than 5 kilometers.

The TLM incorporates a thermal imager, day camera, electronic display eye-safe laser rangefinder, digital magnetic compass, GPS, digital export capability, and Selective Availability/Anti-Spoofing Module. LLDR 1 operates on one BA-5699 battery, but it can also use a SINCGARS battery when laser designation is not required. LLDR 2 operates on one common SINCGARS battery (BA-5390 or BA-5590). LLDR 2 adds a high accuracy capability to support Precision Guided (coordinate Seeking) weapon..



LIGHTWEIGHT LASER
DESIGNATOR RANGEFINDER 2



LIGHTWEIGHT LASER
DESIGNATOR RANGEFINDER 1